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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/337,893

DATE: 07/08/1999
TIME: 15:23:21

Input Set: I337893.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

1 <110> APPLICANT: Krieg, Arthur M.
2 <120> TITLE OF INVENTION: Methods of Redirecting an Immune
3 Response Using Immunostimulatory Oligonucleotides
4 <130> FILE REFERENCE: C1039/7022/HCL
5 <140> CURRENT APPLICATION NUMBER: US/09/337,893
6 <141> CURRENT FILING DATE: 1999-06-21
7 <150> EARLIER APPLICATION NUMBER: US 08/960,774
8 <151> EARLIER FILING DATE: 1997-10-30
9 <150> EARLIER APPLICATION NUMBER: US 08/738,652
10 <151> EARLIER FILING DATE: 1996-10-30
11 <150> EARLIER APPLICATION NUMBER: US 08/386,063
12 <151> EARLIER FILING DATE: 1995-02-07
13 <150> EARLIER APPLICATION NUMBER: US 08/276,358
14 <151> EARLIER FILING DATE: 1994-07-15
15 <160> NUMBER OF SEQ ID NOS: 123
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19 <212> TYPE: DNA
20 <213> ORGANISM: Artificial Sequence
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22 <223> OTHER INFORMATION: Synthetic Oligonucleotide
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38 <223> OTHER INFORMATION: Synthetic Oligonucleotide
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42 <211> LENGTH: 15
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44 <213> ORGANISM: Artificial Sequence

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 144 atcgactctc gagcgttctc 20

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162 <223> OTHER INFORMATION: m5c
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179 <212> TYPE: DNA
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181 <220> FEATURE:
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185 <222> LOCATION: (18)...(18)
186 <223> OTHER INFORMATION: m5c
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191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Synthetic Oligonucleotide

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209 <220> FEATURE:
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243 <212> TYPE: DNA
244 <213> ORGANISM: Artificial Sequence

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Input Set: I337893.RAW

Line	Error/Warning	Original Text
124	W "N" or "Xaa" used: Feature required	gctagangtt agcgt
136	W "N" or "Xaa" used: Feature required	gctagacggt agngt
164	W "N" or "Xaa" used: Feature required	atngactctn gagngttctc
176	W "N" or "Xaa" used: Feature required	atngactctc gagegttctc
188	W "N" or "Xaa" used: Feature required	atcgactctc gagegttntc
240	W "N" or "Xaa" used: Feature required	gagaangctg gaccttccat
252	W "N" or "Xaa" used: Feature required	gagaacgctg gacnttccat
296	W "N" or "Xaa" used: Feature required	tccatgtngg tcctgatgct
308	W "N" or "Xaa" used: Feature required	tccatgtcgg tnctgatgct
408	W "N" or "Xaa" used: Feature required	gctagacntt agtgt
420	W "N" or "Xaa" used: Feature required	tccatgtngt tcctgatgct
1000	W "N" or "Xaa" used: Feature required	atcgactctc gagngttctc
1012	W "N" or "Xaa" used: Feature required	gctagangtt agtgt
1060	W "N" or "Xaa" used: Feature required	tccatgtngt tcctgtngtt